HIMOINSA
A YANMAR COMPANY

HTW-780 T5

HEAVY RANGE
Powered by MITSUBISHI

SERVICE		PRP / DCP	ESP
POWER	kVA	775	853
POWER	kW	620	682
RATED SPEED	r.p.m.	1.500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	380/220 · 415/240	
RATED AT POWER FACTOR	Cos Phi	0,8	

HEAVY RANGE

FILIAL UK Company with quality certification ISO 9001

FILIAL UK gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2012/46/EU)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25ºC, 30% relative humidity.

Prime Power (PRP):
According to ISO 8528-1:2018, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):
According to ISO 8528-1:2018, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

Continuous Power (COP): According to Standard ISO 8528-1:2018, this is the maximum power available for continuous loads for unlimited running hours a year between the maintenance times recommended by the manufacturer under the environmental conditions established by the same.

Data Center Power (DCP) : Complies with Uptime Institute: Tier III & IV. The manufacturer declares a load factor for grid failure of 100% per 24h and an average load factor per year less than 75%. No overload margin available. It can be operated for an unlimited number of hours per year. Applicable in countries with stable network. If the model is for DCC application, inform Factory.
G2 class load acceptance in accordance with ISO 8528-5:2013

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Manufacture facilities:
SPAIN • FRANCE • INDIA • CHINA • USA • BRAZIL • ARGENTINA

Subsidiaries:
PORTUGAL | POLAND | GERMANY | UK | SINGAPORE | UAE | PANAMA | DOMINICAN REPUBLIC | ARGENTINA | ANGOLA | SOUTH AFRICA

CONTAINER

- 20FT-HC
- WATER-COOLED
- THREE PHASE
- 50 HZ
- DIESEL

Filial UK has the right to modify any feature without prior notice.

Weights and dimensions based on standard products. Illustrations may include optional equipment.

Technical data described in this catalogue correspond to the available information at the moment of printing.

The illustrations and images are indicative and may not coincide in their entirety with the product.

Industrial design under patent.

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Engine Specifications | 1.500 r.p.m.

Rated Output (PRP) / DCP	kW	657
Rated Output (ESP)	kW	724
Manufacturer		MITSUBISHI
Model		S12A2 PTA
Engine Type		4-stroke diesel
Injection Type		Direct
Aspiration Type		Turbocharged and after-cooled
Number of cylinders and arrangement		12-V
Bore and Stroke	mm	150 x 160
Displacement	L	33,93
Cooling System		Water
Lube Oil Specifications		API CD or CF SAE 30 or SAE 40
Compression Ratio		14,5:1

Fuel Consumption ESP	l/h	183,19
Fuel Consumption 100% PRP	l/h	166,24
Fuel Consumption 75 % PRP	l/h	125,46
Fuel Consumption 50 % PRP	l/h	88,31
Fuel Consumption 25 % PRP	l/h	50,13
Lube oil consumption with full load	g/kWh	0,8
Total oil capacity including tubes, filters	L	120
Total coolant capacity	L	215
Governor	Type	Electrical
Air Filter	Type	Dry
Inner diameter exhaust pipe	mm	212

- Oil temperature sensor
- Low coolant level sensor
- Exhaust gas compensator
- Diesel engine
- 4-stroke cycle
- Water-cooled
- 24V electrical system
- Standard air filter
- Standard fuel filter
- Standard oil filter
- Radiator with pusher fan
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection

Generator Specifications | STAMFORD

Manufacturer		STAMFORD
Model		HCI634G
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-0 18''
Insulation	Class	H class

Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation

ISO 9001
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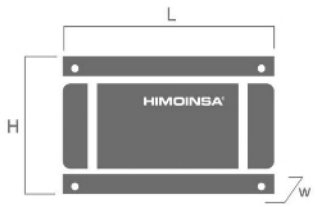
WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	6.058
Height (H)	mm	2.896
Width (W)	mm	2.438
Maximum shipping volume	m³	42,77
Weight with liquids in radiator and sump	Kg	11750
Weight with liquids in sump	Kg	11429
Fuel tank capacity	L	999
Autonomy	Hours	8



SOUND PRESSURE

Sound pressure level	dB(A)@7m	82 ± 2,4

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	500
Exhaust Gas Flow	m³/min	170
Maximum allowed back pressure	mm H2o	600
Exhaust Flange Size (external diameter)	mm	200
Heat dissipated by exhaust pipe	KCal/Kwh	695,6

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	3840
Cooling Air Flow	m³/s	19
Alternator fan air flow	m³/s	1,614

STARTING SYSTEM

Starting power	kW	7,5 x 2
Starting power	CV	10,2 x 2
Recommended battery	Ah	300
Auxiliary Voltage	Vdc	24
Starter current peak	A	720
Nominal starter current	A	380

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Maximum power suction pump	mm Hg	75
Maximum return feed pump	mm Hg	150
Fuel Tank	L	999

Container version

- Soundproofing provided by high-density volcanic rock wool
- High mechanical resistance
- Low level of noise emissions
- Door with window to visualize control panel, alarms and measurements
- Reinforced lifting points for crane hoisting and lower ones for transportation by forklift
- Residential steel silencer with -35dB attenuation and tilting cap in the exhaust
- Fuel tank integrated in the chassis
- Anti-vibration shock absorbers
- Steel chassis
- Manual oil extraction pump
- Robust construction designed for continuous or emergency applications
- Stainless steel fittings
- Emergency stops
- Easy access to the power connection
- Reinforced chassis for heavy range
- Easy access for chassis cleaning
- Silent-block with anti-corrosion protection between the genset and the chassis
- Easy access to fill radiator through the roof

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CONTROL PANELS

M5

Digital manual Auto-Start control panel and thermal magnetic protection (depending on current and voltage) and differential with CEM7.

Digital control unit CEM7

AS5

Automatic panel WITHOUT transfer switch and WITHOUT mains control with CEM7 unit. (*) AS5 as optional with CEA7 unit. Automatic panel without transfer switch and WITH mains control.

CC2

Himoinsa Switching cabinet WITH display.

Digital control unit CEC7

AS5 + CC2

Automatic panel WITH transfer switch and with mains control. The display will be on the genset and on the cabinet.

Digital control unit CEM7+CEC7

AC5

Automatic mains failure control panel. Wall-mounted cabinet WITH transfer switch and thermal magnetic protection (depending on current and voltage).

Digital control unit CEA7

Electrical System Container

- Control panel and emergency stop button
- Power panel
- Battery charger (standard on automatic control panels)
- Water Jacket Heater with single phase pump
- Battery charge alternator with ground connection
- Starter battery/ies installed (cables and bracket included)
- Ground connection electrical installation with connection ready for ground spike (not supplied)
- 4 pole circuit breaker
- Power panel with safety protection in output terminals box (open thermal magnetic protection and alarm)
- Maintenance-free and anti-explosion battery
- Battery isolator

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